GSM/GPRS/GPS Tracker
(LDW-TKV103B)
User Manual

Version 1.8

Please read this manual carefully before attempting installation and online activation. Pictures are for indication and illustration purposes only.

Chapter I Preface

1. 1 General

LDW-TKV103B represents the perfect combination of GSM, GPRS and GPS technologies. This model, with precise dimensions and compact appearance, expresses the advanced workmanship in the GSM and GPS field and is the typical design combing communication products and GPS services. As a professional security and positioning company, we will provide you with more and better products and services. Before use, please spend several minutes reading this user's manual in order to understand operation details and obtain better services.

Chapter II About the Device

2.1 Product Features

● Individual or fleet GPS polling
● Worldwide use
● Supports GSM frequencies 850/900/1800/1900MHz
● High-sensitivity, latest technology and the most advanced GPS chip
● Can accurately position even if with weak signal
● Can work effectively in limited space such as the remote and narrow places;
● compact size, easy for hiding
●Low energy consumption
●Remote oil cutoff
● Fast signal capturing
● supports two modes: text message polling and GPRS trace tracking
● Alarm function
● Vibration alarm

2.4 Product Specifications

2.4.1 Technical specifications

GSM FREQUENCY	850/900/1800/1900MHz
GPS CHIPS	SIRF 4/U-blox
GPRS	Class 12, TCP/IP build in GSM MODULE
GPS SENSITIVITY	-163dBm

GPS ACCURACY	10m (2D RM)
GSM ACCURACY	50-200m
SPEED ACCURACY	0.1m/s
COLD STATUS	-38s
WARM STATUS	-32s
HOT STATUS	-2s
MAXIMUM ALTITUDE	18000m
HIGHEST SPEED	515m/s
ACCELERATION OF GRAVITY	<4g
SIZE	72.00(L) x 38.0(W) x17.0(H) mm
WEIGHT	50g

2.4.2 Others

WORKING TEMPERATURE	-20--+70℃
HUMIDITY	20%---80%RH
VOLTAGE	7—30v DC
CURRENT	～60mA(12v DC) ～35mA(24v DC)
STANDARD AVERAGE CURRENT	<80MA
LED	LED indicate GPS、GSM working status or other condition

2.4.3 The indication of the terminal state

Red LED------Power/Running-state

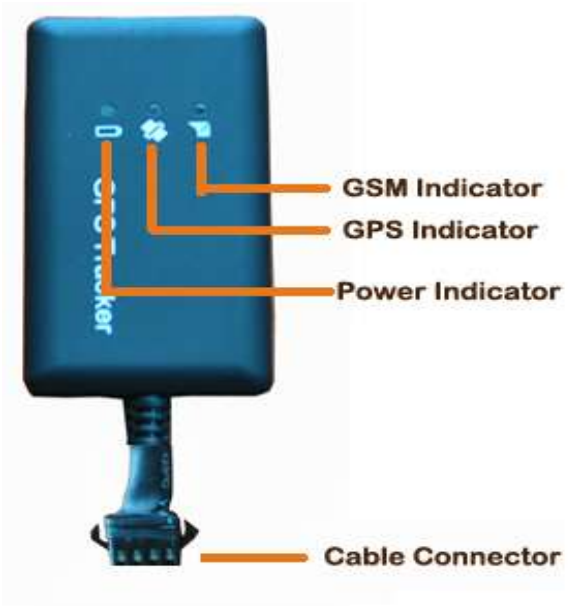
The state of the light	Meaning
Always light	Indicate the power supply, normal working state
Flash	Abnormal working state
No light	Out of power or internal fault

Green LED------GPS Signal

The state of the light	Meaning
Blinking	GPS signal received normally
Always light	No GPS signal

Blue LED------GSM Signal

The state of the light	Meaning
Blinking	GSM signal OK/Call coming
Always light	No GSM signal



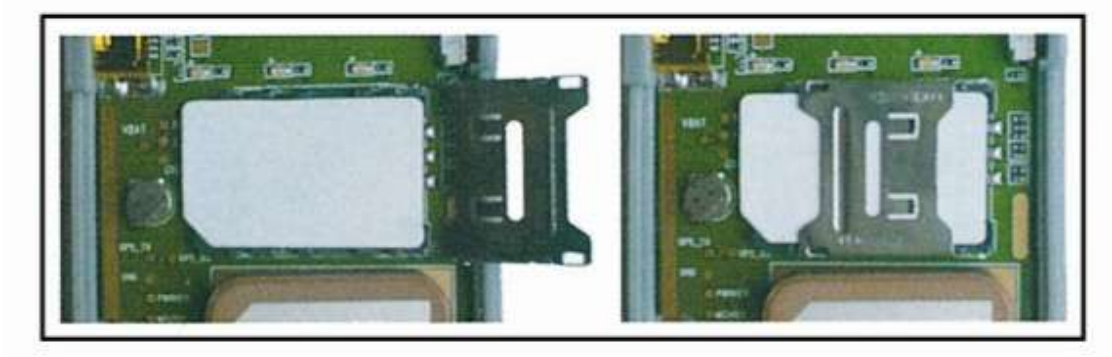
2.5 Installation

2.5.1 Preparation

1.Check the product: open the package, and check the terminal model and fittings.If there is something wrong, please contact the distributor.

2 Select the SIM card: it must insult a GSM SIM card, and the selection of SIM card must follow the distributor's suggestion.

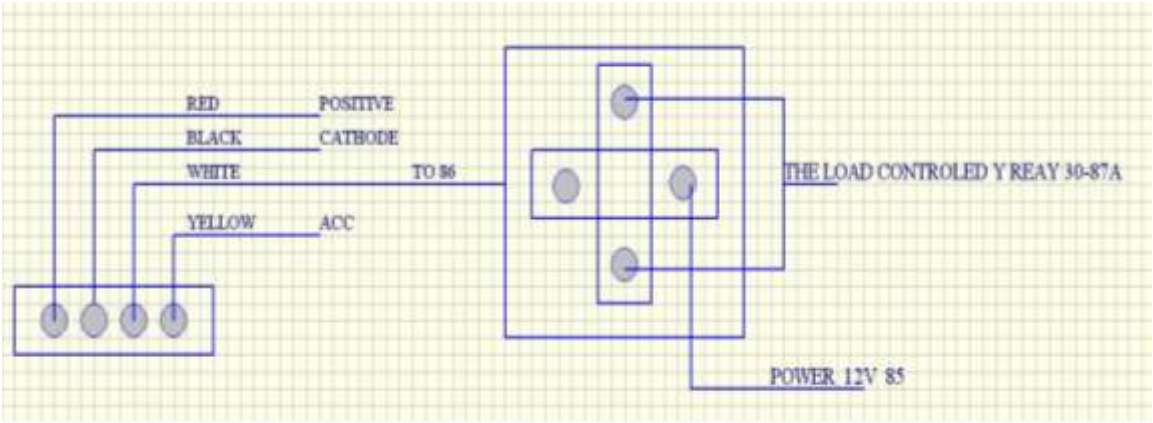
3 Install the SIM card. Firstly, open the cover of the terminal, remove the cover on the slot for SIM card; secondly, insult the card into the slot with the metal side in the bottom; thirdly, fasten the slot(do as the following instruction); finally, recover the terminal and lock the shell tightly with three screws.



Tips :
Don't insult the terminal SIM card up-side-down.
You must open the GPRS function provided by the terminal SIM;
If your SIM card has been setup, but it requires you to input SIM PIN, please close the SIM PIN function under the instruction written in the user manual.
Make sure the sufficient money to pay for the terminal SIM card charge
Check the GPRS network connection with your mobile phone.

2.5.1.2 AS for the open installation, at first it should glue the soft robber magnet (in the fitting picture) on the decoration below the front windshield; then put the terminal on the magnet and fix it.

Attention:
If you have no soft robber magnet, please purchase after connect with the distributor.



Chapter III SMS command format

Command list for configing(Note: All the setup below can be only made by Center admini number and authorization number .)

1) Center admini number setup		
Command	Format	Example
Center number setup	710#Mobile number#	710#13800138000#
Delete Center number	D01# D02#	D01# D02#
Command notes	1)Cut off oil by Center number. 2)only can setup 2 mobile numbers as center number 3)you should delete the former center before you change the center number	
SMS feedback	Center number setup success/Delete success	

1) **Center admini number inquiry**		
Command	Format	Example
Center number inquiry	901#	901#
Command notes	This command use for check the center number	
SMS feedback	Admin1：mobile number Admin2：mobile number	

3)Authorization number setup		
Command	Format	Example
authorization number set	101#mobile number# 102#mobile number# 103#mobile number#	1：101#13800138000# 2：102#12345678912# 3：103#12345678912#
Delete authorization number	D11# D12# D13#	D11# D12# D13#
Command notes	1)Authorization can cut off oil. 2)only can set 3 numbers as authorization number 3)you should delete the former number before you change the authorization number	
SMS feedback	Authorization number set success/Delete success	

4)Authorization number inquiry		
Command	Format	Example
Inquiry command	C10#	C10#
Command notes	The command use for checking authorization number	
SMS feedback	Authorization 1：Authorization 2：Authorization 3：	

5)APN setup		
Command	Format	Example
APN setup command	802#apn name#user#password#	1：802#intenet#123#123# 2：802#cmnet#
Command notes	When APN need user and password，pls see eg-1，No need user and password pls see eg-2	
SMS feedback	APN 0K！	

6) Setup IP connection/Inquiry Ip and Port number		
Command	Format	Example
IP connection setup	803#IP address#port number#	1) 803#115.29.228.122#7018#
IP and port inquiry	CIP#	1）CIP#
Command notes	Its use for setup IP connection and inquiry.	
SMS feedback	Config success！	

7)Cut off oil		
Command	Format	Example
Cut off oil	222#	222# cut off oil
Restore oil	333#	333# Restore oil
Command notes	1)control the oil for cut off and restore 2)Only center admini number and authorization number can do it 3)the command only will be founction when the speed of vehicle less than 20km/h.	
SMS feedback	Cut off oil success!	

8)Vehicle defense setup/Close vehicle defense		
Command	Format	Example
Open vehicle defense	911#	1)911#
Close vehicle defense	910#	1)910#
Command notes	The command use for setup defence or close defense(it’s for vehicle movement in illegal and virbation alarm）	
SMS feedback	Config success！	

9)Set virbation alarm		
Command	Format	Example
Set virbation alarm	123#class#mode#	1) 123#2#3#
Alarm starting time	V123#2#	1) V123#2# 2) V123#1#
Cancel virbation alarm	456#	456#
Command notes	Class: from 1 to 5, its for the virbation alarm class, 1 is the highest sensitive, and 5 is the lower sensitive class. Mode : from 1 to 3.,it’s for the way of getting alarm,1 is SMS, 2 is Pone call, 3 is SMS and phone call both ways. Alarm starting time setup: Starting time from 1 to 10miniutes. Default time is 5miniutes.； Cancel virbation alarm: when you cancel the alarm and want to open it again. Then you should set it again	
SMS feedback	Config success! Or starting time is or Cancel alarm sucess	

10)Over speed alarm setup		
Command	Format	Example
Set over speed alarm	SSA#120#mode#	1) SSA#120# 2) SSA#150#3#
Cancel alarm	CSA#	CSA#
Setup alram interval time	STIME#time#	STIME#5#
Command notes	The speed in 60~220，Default is close. Mode: from 1 to 3. 1 is SMS, 2 is phone call, 3 is sms and phone call both ways. When you cancel the over speed alarm and you want to open it again and you should set it again. Alarm interval time:Default time is 5miniutes，range：1~60 miniutes, it’s mean every 5 mins will upload one alarm	
SMS feedback	Over speed alarm sertup sucess！alarm mode is sms or phone call Over speed alarm interval time setup success. Cancel over speed alarm sucess！	

11)Timezone setup		
Command	Format	Example
Set timezone	801#timezone#	801#E8#
Command notes	E is East timezone，W is west timezone，E8 it’s mean East timezone 8，W8 it’s mean West timezone 8.	
Command feedback	Timezone setup success!	

12)Restart		
Command	Format	Example
Restart the device	930#	930#
Command notes	It’s use for restart the device	
SMS feedback	The device will be restart soon！	

13)Language setup		
Command	Foramt	Example
Setup language	LANG number#	1) LANG1# 2) LANG0#
Command notes	1 is Chinese, and 0 is english. Default language is Chinese.	
SMS feedback	Language setup success！	

14)Set interval time under movement		
Command	Format	Example
Interval time setup	730#time#	730#20#
Command notes	This command use for set the inerval time when the vehicle is moving. time：in the range of 10~60s default time is 15s	
SMS feedback	Movement interval time setup success！	

15)Set interval time under static		
Command	Format	Example
Static interval time setup	SUP#time#	SUP#5#
Command notes	This command use for set the inerval time when the vehicle is static. Time：in 1~60miniutes Default time is 5 miniutes	
SMS feedback	Static interval time setup success!	

16)Cancel upload data		
Command	Format	Example
Cancel upload data	NUP#	NUP#
Command notes	This command use for cancel the device upload the data to the server. If need restore the data upload and should set movement intervaltime or static interval time again.	
SMS feedback	Config success!	

17)Restore to factory setting		
Command	Format	Example
Factory setting	940#	940#
Command notes	This command use for restore to factory setting, it’s only can be sent by admini number	
SMS feedback	Restore to factory setting !	

18)Check version information		
Command	Format	Example
Check version number	V00#	V00#
Command notes	This command use for check the version number and IMEI number etc.	
SMS feedback	Version number, IMEI number, Status etc..	

19) Location inquiry		
Command	Format	Example
Location inquiry	988#	988#
	123	123
Command notes	This command use for inquiry the current address	
SMS feedback	Current real time address.	

20)Latitude & longitude inquiry		
Command	Format	Example
Latitude&longitude inquiry	666#	666#
	URL#	URL#
Command notes	This command for inqiry current postion with longitude, latitude ,speed,time and date etc..	
SMS feedback	Longitude,latitude,speed,IMEI number,time and date etc..	

21)Check the configuration parameters	
Command	Format	Example
Configuration parameter	902#	902#
Command notes	This command for checking the status of the device	
SMS feedback	Tracker: IMEI:XXXXXXXXXXXXXXX Base information： Version number： XXXXXXXXXXXXXXX Signal intensity：XXX APN：XXXXXX Server IP：XX.XX.XX.XXX Port：XXXX Protocol：TCP/IP GPS information： GPS interval time：XX s GPS satellite numbers XX	

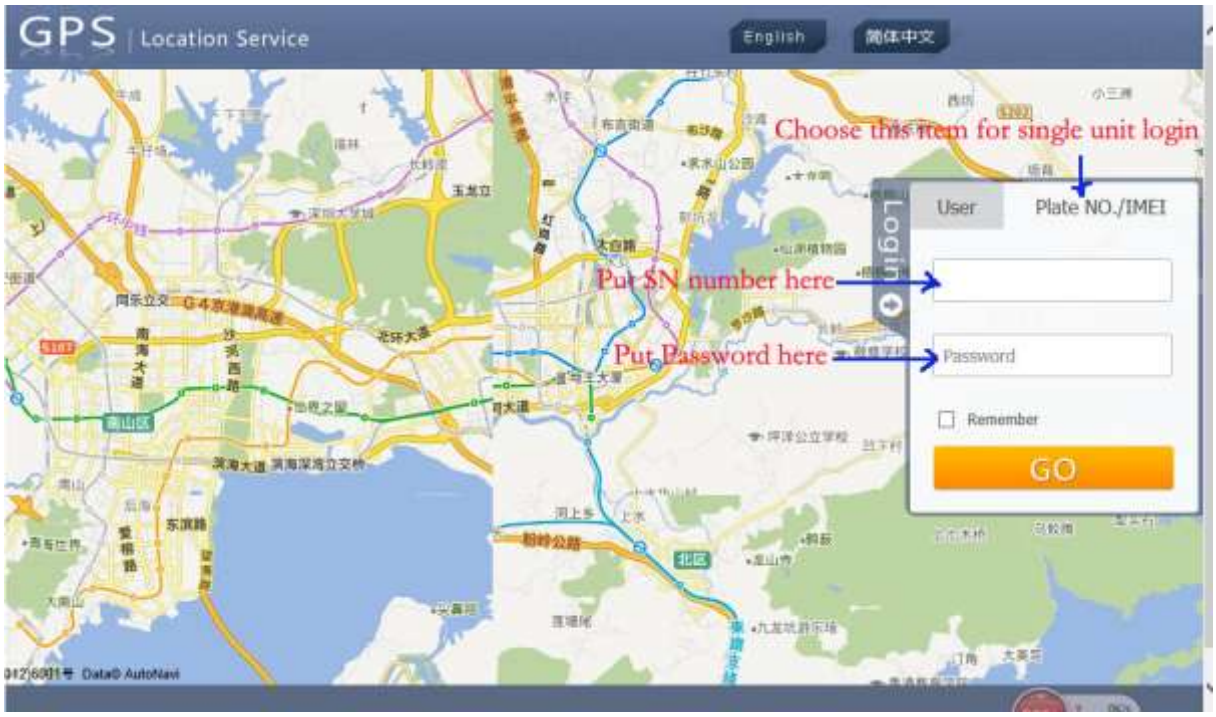
22)Status inquiry		
Command	Format	Example
Status inquiry	886#	886#
Command notes	This command use for check the current status of the device	
SMS feedback	IMEI：3533270XXXXXXXX APN：uninet Server IP：XX.XX.XX.XXX Port：XXXX Language：Chinese Timezone：E8	

4.2 Tracking on platform

Please visit www.gps288.com for online real-time tracking and fleet management.

For details, please refer to our tracking system user manual.

4.2.1 Single unit login:



4.2.2 Management account login:

Notes

1. This non-waterproof equipment, please be sure to have waterproof bag.

2. This equipment has to work with GSM network.

3. Please ensure that there are enough expenses in SIM card in order to avoid the inconvenience of using.

4. This equipment cannot work in the power failure state and outside the service areas, even if the registered users.

5. This equipment supports GPS and GSM/GPRS double positioning, regarding as the same with the GPS positioning results.

6. Please use this equipment in the legal areas. The consequences of any violation of the law will be undertaken by the users themselves.